Message

To: Barton, Clete [Clete.Barton@dnr.ga.gov]
CC: Neill, Mike [Neill.Mike@epa.gov]; Sivertsen, Scott [Sivertsen.Scott@epa.gov]; Box, Stacey [Box.Stacey@epa.gov]
Subject: RE: solid PFAS sampling
Attachments: PFAS Soil Sampling June2019.docx

Good Morning Clete,

We do not have an analyte-specific SOP for sampling solids for PFAS analysis. We do have lab container requirements, and I have attached a reference sheet outlining those requirements. Solids samples should be submitted to the lab in 50 mL polypropylene tubes (supplied by the lab) filled with approximately 25 mL of sample (or about half way). A 2g aliquot is sub-sampled from the tube for solid-phase extraction for PFAS.

Do not use the pre-weighed 15 mL vials that surface water samples are collected in. For sampling of solids we treat PFAS as semi-volatiles. For a sample like biosolids or sludge, the matrix tends to be relatively well mixed, thus collecting multiple samples directly into the vial may suffice for characterizing this waste.

For something more heterogenous such as soils and sediments, multiple aliquots will need to be composited and homogenized before collection in the polypropylene tube. Please follow the links below for our sediment and soil sampling SOPs.
https://www.epa.gov/sites/production/files/2015-06/documents/Sediment-Sampling.pdf
https://www.epa.gov/sites/production/files/2015-06/documents/Soil-Sampling.pdf

When choosing sampling equipment, avoid anything with fluorinated components. Please

From: Barton, Clete <Clete.Barton@dnr.ga.gov>
Sent: Monday, February 24, 2020 10:42 AM
To: Barlet, Nathan <barlet.nathan@epa.gov>
Subject: solid PFAS sampling

Nate,
Do you guys have a SOP on sampling solids for PFAS? Particularly with biosolids or sludge? Are there any major differences between solids and how we collected water samples with you?

Clete Barton
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